



Rationalise the denominator of

$$\frac{3}{2\sqrt{5}}$$

A circle has an area of 200cm^2 to 2 significant figures.

Work out the lower bound of the radius.

Factorise

$$12x^2 + 5x - 3$$

Show that the equation

$3x - x^3 = -11$ can be rearranged to give

$$x = \sqrt[3]{3x + 11}$$

Starting with $x_0 = 3$, use the iteration formula

$$x_{n+1} = \sqrt[3]{3x_n + 11}$$

three times to find an estimate for the solution of $3x - x^3 = -11$